
Appendix A: Bacterial Media, Antibiotics, and Bacterial Strains

LIQUID MEDIA

LB Medium (Luria-Bertani Medium)

Per liter:

To 950 ml of deionized H₂O, add:

bacto-tryptone	10 g
bacto-yeast extract	5 g
NaCl	10 g

Shake until the solutes have dissolved. Adjust the pH to 7.0 with 5 N NaOH (~0.2 ml). Adjust the volume of the solution to 1 liter with deionized H₂O. Sterilize by autoclaving for 20 minutes at 15 lb/sq. in. on liquid cycle.

NZCYM Medium

Per liter:

To 950 ml of deionized H₂O, add:

NZ amine	10 g
NaCl	5 g
bacto-yeast extract	5 g
casamino acids	1 g
MgSO ₄ · 7H ₂ O	2 g

Shake until the solutes have dissolved. Adjust the pH to 7.0 with 5 N NaOH (~0.2 ml). Adjust the volume of the solution to 1 liter with deionized H₂O. Sterilize by autoclaving for 20 minutes at 15 lb/sq. in. on liquid cycle.

NZ amine: Casein hydrolysate enzymatic (ICN Biochemicals 101290).

NZYM Medium

NZYM medium is identical to NZCYM medium, except that casamino acids are omitted.

NZM Medium

NZM medium is identical to NZYM medium, except that bacto-yeast extract is omitted.

Bacterial Media, Antibiotics, and Bacterial Strains **A.1**

Sam Grook, Frihan, Naniakis, Molecular cloning, 2nd ed.

L-929

<http://www.dsmz.de/mutz/mutz002.htm>

L-929

DSMZ

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Cell line L-929
Cell type mouse connective tissue fibroblast
DSMZ No ACC 2
Origin established from the normal subcutaneous areolar and adipose tissue of a male C3H/An mouse; used as target in TNF detection assays
Depositor Dr. H. G. Draxler, DSMZ, Braunschweig, Germany
Reference Earle, J Natl Cancer Inst, 4: 1943, 165, PubMed ID

DSMZ Cell Culture Data

Morphology fibroblasts growing as monolayer
Medium 90% RPMI 1640 + 10% FBS
Subculture split confluent cultures 1:5 to 1:10 using trypsin (do not use trypsin/EDTA); after 2-3 days monolayer will be confluent; split 2-3 times a week; seed out initially at about $1.0-2.0 \times 10^6$ cells/25 cm²
Incubation at 37 °C with 5% CO₂
Doubling time doubling time of ca. 21-24 hours
Harvest ca. $4-8 \times 10^6$ cells/25 cm²
Storage frozen with 70% medium, 20% FBS, 10% DMSO at about $1-2 \times 10^6$ cells/ampoule

DSMZ Scientific Data

Mycoplasma negative in DAPI, microbiological culture, PCR assays
Immunology
Fingerprint
Species confirmed as mouse with IEF of AST, MDH, PEP B
Cytogenetics murine hypertriploid karyotype; 61-67, 12-16 centric fusion markers present
Viruses ELISA: reverse transcriptase negative

DSMZ

Index

Prices

Dept. of Human and Animal Cell Lines